

INTERNATIONAL SEARCH REPORT

International application No.

PCT/NO 2004/000359

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: E21B 21/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: E21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4291772 A (P.A. BEYNET), 29 Sept 1981 (29.09.1981), whole document	1,4
Y	---	2,5
Y	WO 9306335 A1 (RIG TECHNOLOGY LIMITED), 1 April 1993 (01.04.1993), page 11, second paragraph, figures	2,5
A	WO 03023181 A1 (OCEAN RISER SYSTEMS AS), 20 March 2003 (20.03.2003)	1-5

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

8 April 2005

Date of mailing of the international search report

12-04-2005

Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. +46 8 666 02 86

Authorized officer

Christer Bäcknert / MRO
Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT
Information on patent family members

01/03/2005

International application No.
PCT/NO 2004/000359

US	4291772	A	29/09/1981	CA	1147646	A	07/06/1983
WO	9306335	A1	01/04/1993	AU	2552792	A	27/04/1993
				GB	2273948	A,B	06/07/1994
				GB	9119563	D	00/00/0000
				GB	9403480	D	00/00/0000
WO	03023181	A1	20/03/2003	BR	0212430	A	17/08/2004
				CA	2461639	A	20/03/2003
				US	20040238177	A	02/12/2004

BEST AVAILABLE COPY